RAW SEQUENCE LISTING   DATE: 01/10/2001
PATENT APPLICATION: US/09/746,371   TIME: 11:48:28

Input Set : A:\Berl025-01US.txt
Output Set: N:\CRF3\01102001\I746371.raw

```
69  <221> NAME/KEY: VARIANT
70  <222> LOCATION: (2)..(4)
71  <223> OTHER INFORMATION: the residue at position 2 can be V, E, F, Y or K; the residue at
72        position 4 can be V, E, F or  what?
75  <400> SEQUENCE: 6
77  Gly Xaa Gly Xaa Pro
78  1                 5
80  <210> SEQ ID NO: 7
81  <211> LENGTH: 6
82  <212> TYPE: PRT
83  <213> ORGANISM: Synthetic
85  <400> SEQUENCE:
87  Ala Pro Gly Val Gly Val
88  1                     5
90  <210> SEQ ID NO: 8
91  <211> LENGTH: 35
92  <212> TYPE: PRT
93  <213> ORGANISM: Synthetic
95  <400> SEQUENCE: 8
97  Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
98  1                 5                  10                 15
100 Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
101               20                 25                 30
103 Gly Val Pro
104           35
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 35
108 <212> TYPE: PRT
109 <213> ORGANISM: Synthetic
111 <400> SEQUENCE: 9
113 Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
114 1                 5                  10                 15
116 Val Gly Val Pro Gly Val Gly Phe Pro Gly Val Gly Phe Pro Gly Val
117               20                 25                 30
119 Gly Val Pro
120           35
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 35
124 <212> TYPE: PRT
125 <213> ORGANISM: Synthetic
127 <400> SEQUENCE: 10
129 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
130 1                 5                  10                 15
132 Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
133               20                 25                 30
135 Gly Val Pro
136           35
138 <210> SEQ ID NO: 11
139 <211> LENGTH: 35
```

RAW SEQUENCE LISTING   DATE: 01/10/2001
PATENT APPLICATION: US/09/746,371 TIME: 11:48:28

Input Set : A:\Ber1025-01US.txt
Output Set: N:\CRF3\01102001\I746371.raw

```
140 <212> TYPE: PRT
141 <213> ORGANISM: Synthetic
143 <400> SEQUENCE: 11
145 Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
146 1                5                10                15
148 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
149            20                25                30
151 Gly Val Pro
152         35
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 35
156 <212> TYPE: PRT
157 <213> ORGANISM: Synthetic
159 <400> SEQUENCE: 12
161 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
162 1                5                10                15
164 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
165            20                25                30
167 Gly Val Pro
168         35
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 65
172 <212> TYPE: PRT
173 <213> ORGANISM: Synthetic
175 <400> SEQUENCE: 13
177 Gly Val Gly Ile Pro Gly Phe Gly Glu Pro Gly Glu Gly Phe Pro Gly
178 1                5                10                15
180 Val Gly Val Pro Gly Phe Gly Phe Pro Gly Phe Gly Ile Pro Gly Val
181            20                25                30
183 Gly Ile Pro Gly Phe Gly Glu Pro Gly Glu Gly Phe Pro Gly Val Gly
184         35                40                45
186 Val Pro Gly Phe Gly Phe Pro Gly Phe Gly Ile Pro Gly Val Gly Val
187      50                55                60
189 Pro
190 65
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 35
194 <212> TYPE: PRT
195 <213> ORGANISM: Synthetic
197 <400> SEQUENCE: 14
199 Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
200 1                5                10                15
202 Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
203            20                25                30
205 Gly Val Pro
206         35
208 <210> SEQ ID NO: 15
209 <211> LENGTH: 35
210 <212> TYPE: PRT
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,371

DATE: 01/10/2001
TIME: 11:48:28

Input Set : A:\Ber1025-01US.txt
Output Set: N:\CRF3\01102001\1746371.raw

```
211  <213> ORGANISM: Synthetic
213  <400> SEQUENCE: 15
215  Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
216  1               5                   10                  15
218  Val Gly Val Pro Gly Val Gly Phe Pro Gly Val Gly Phe Pro Gly Val
219              20                  25                  30
221  Gly Val Pro
222          35
224  <210> SEQ ID NO: 16
225  <211> LENGTH: 35
226  <212> TYPE: PRT
227  <213> ORGANISM: Synthetic
229  <400> SEQUENCE: 16
231  Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
232  1               5                   10                  15
234  Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
235              20                  25                  30
237  Gly Val Pro
238          35
240  <210> SEQ ID NO: 17
241  <211> LENGTH: 35
242  <212> TYPE: PRT
243  <213> ORGANISM: Synthetic
245  <400> SEQUENCE: 17
247  Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
248  1               5                   10                  15
250  Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
253              20                  25                  30
253  Gly Val Pro
254          35
256  <210> SEQ ID NO: 18
257  <211> LENGTH: 35
258  <212> TYPE: PRT
259  <213> ORGANISM: Synthetic
261  <400> SEQUENCE: 18
263  Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
264  1               5                   10                  15
266  Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
267              20                  25                  30
269  Gly Val Pro
270          35
272  <210> SEQ ID NO: 19
273  <211> LENGTH: 35
274  <212> TYPE: PRT
275  <213> ORGANISM: Synthetic
277  <400> SEQUENCE: 19
279  Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
280  1               5                   10                  15
282  Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Val Pro Gly Val
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/746,371

DATE: 01/10/2001
TIME: 11:48:28

Input Set : A:\Berl025-01US.txt
Output Set: N:\CRF3\01102001\I746371.raw

```
283              20           25              30
285 Gly Val Pro
286         35
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 35
290 <212> TYPE: PRT
291 <213> ORGANISM: Synthetic
293 <400> SEQUENCE: 20
295 Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
296 1               5              10              15
298 Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val
299             20           25              30
301 Gly Val Pro
302         35
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Synthetic
309 <220> FEATURE:
310 <221> NAME/KEY: VARIANT
311 <222> LOCATION: (4)..(4)
312 <223> OTHER INFORMATION: the residue at position 4 is an amino acid residue modified to ha
313        ve an electroresponsive side chain
316 <400> SEQUENCE: 21
318 Val Pro Gly Xaa Gly
319 1               5
321 <210> SEQ ID NO: 22
322 <211> LENGTH: 5
323 <212> TYPE: PRT
324 <213> ORGANISM: Synthetic
326 <400> SEQUENCE: 22
328 Ile Pro Gly Val Gly
329 1               5
331 <210> SEQ ID NO: 23
332 <211> LENGTH: 11
333 <212> TYPE: PRT
334 <213> ORGANISM: Synthetic
336 <220> FEATURE:
337 <221> NAME/KEY: VARIANT
338 <222> LOCATION: (6)..(6)
339 <223> OTHER INFORMATION: the residue at position 6 is S, T or Y
342 <400> SEQUENCE: 23
344 Gly Val Gly Val Pro Xaa Gly Val Gly Val Pro
345 1               5              10
347 <210> SEQ ID NO: 24
348 <211> LENGTH: 5
349 <212> TYPE: PRT
350 <213> ORGANISM: Synthetic
352 <220> FEATURE:
```

[handwritten annotations: "chain?" near line 313; "OK" marks near lines 318 and 344; "Please correct this error in subsequent sequences, too."]

FYI:

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in th <220> to
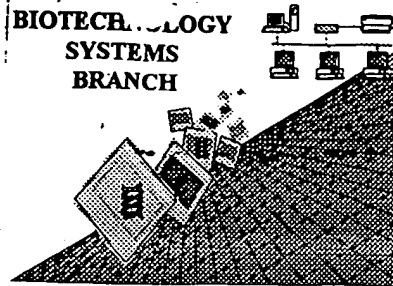<223> fields f each sequence which presents at least ne n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/746,371

DATE: 01/10/2001
TIME: 11:48:29

Input Set : A:\Berl025-01US.txt
Output Set: N:\CRF3\01102001\I746371.raw

L:9 M:270 C: Current Application Number differs. Replaced Current Application No
L:9 M:271 C: Current Filing Date differs. Replaced Current Filing Date
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24

BIOTECH...LOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _O9/746,371_

Source: _OIPE_

Date Processed by STIC: _1/10/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

ERROR DETECTED   SUGGESTED   CORRECTION

SERIAL NUMBER: 09/746,371

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

```
RAW SEQUENCE LISTING          DATE: 01/10/2001
PATENT APPLICATION:  US/09/746,371     TIME: 11:49:28
```

Does Not Comply
Corrected Diskette Needed

```
Input Set : A:\Ber1025-01US.txt
Output Set: N:\CRF3\01102001\I746371.raw
```

pp 1-5

```
 3 <110> APPLICANT: Uery, Dan
 5 <120> TITLE OF INVENTION: Acoustic Absorption Polymers and Their Methods of Use
 7 <130> FILE REFERENCE: BER1025/01US
 9 <140> CURRENT APPLICATION NUMBER: US/09/746,371
 9 <141> CURRENT FILING DATE: 2000-12-20
 9 <160> NUMBER OF SEQ ID NOS: 47
11 <170> SOFTWARE: PatentIn version 3.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 5
15 <212> TYPE: PRT
16 <213> ORGANISM: Synthetic
18 <400> SEQUENCE: 1
20 Val Pro Gly Val Gly
21 1                 5
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 4
25 <212> TYPE: PRT
26 <213> ORGANISM: Synthetic
28 <400> SEQUENCE: 2
30 Val Pro Gly Gly
31 1
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 4
35 <212> TYPE: PRT
36 <213> ORGANISM: Synthetic
38 <400> SEQUENCE: 3
40 Gly Gly Val Pro
41 1
43 <210> SEQ ID NO: 4
44 <211> LENGTH: 4
45 <212> TYPE: PRT
46 <213> ORGANISM: Synthetic
48 <400> SEQUENCE: 4
50 Gly Gly Phe Pro
51 1
53 <210> SEQ ID NO: 5
54 <211> LENGTH: 4
55 <212> TYPE: PRT
56 <213> ORGANISM: Synthetic
58 <400> SEQUENCE: 5
60 Gly Gly Ala Pro
61 1
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 5
65 <212> TYPE: PRT
66 <213> ORGANISM: Synthetic
68 <220> FEATURE:
```

(handwritten annotations)

OK

invalid response - global — per 1.823 of new sequence Rules, the only valid responses are: Unknown or Artificial Sequence or scientific name (Genus/species) (one of the three)

please see circled portion of item 12 on Error Summary Sheet